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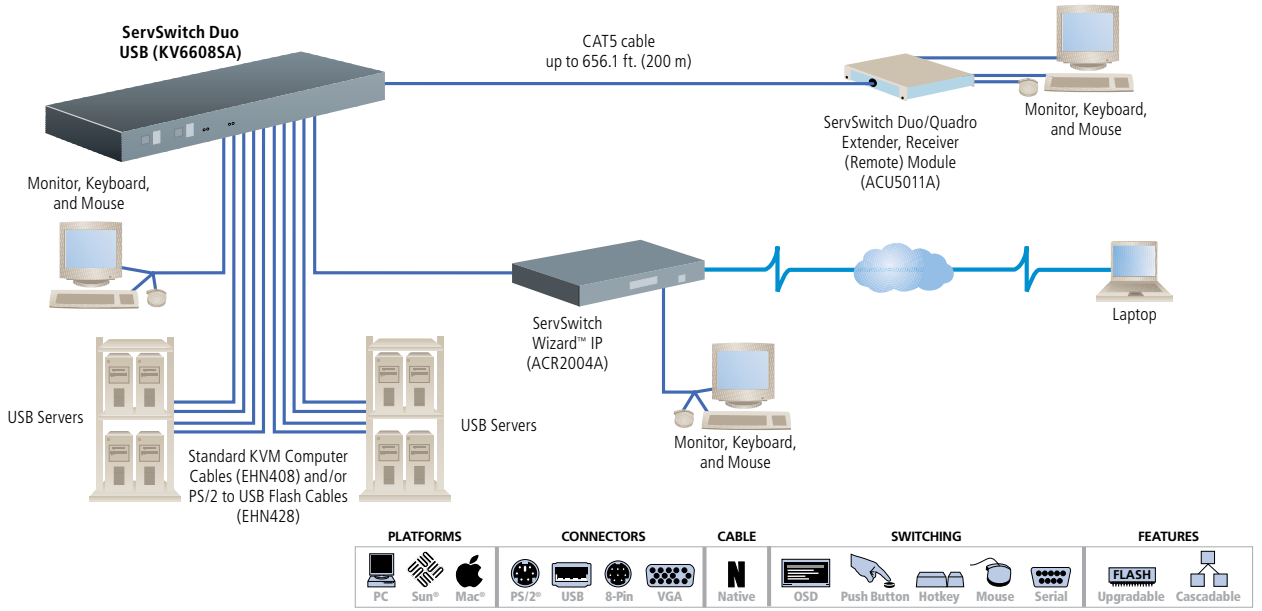
ServSwitch Duo USB KVM Switches

Two users can access 8 or 16 multiplatform servers with USB style keyboards and mice.

FEATURES

- Support Sun USB-style keyboards and mice.
- High video resolution support. Maximum resolution is 1920 x 1440 @ 100 Hz.
- Built-in DDC support.
- Can be cascaded with the ServSwitch Duo.
- On-screen menus and easy switching.
- Switch ports via a three-button mouse, an IntelliMouse, hotkey sequences, or front-panel push buttons.

Typical application



OVERVIEW

With a ServSwitch Duo™ USB, 2 users can access 8 to 16 servers—or up to hundreds of servers—if you daisychain multiple ServSwitch Duo USB units together or in series with multiple ServSwitch Uno™, ServSwitch Uno USB, or ServSwitch Duo!

Built-in DDC support.

DDC support enables a control station's monitor to communicate with the attached servers' video cards and configure their video drivers automatically at bootup.

The ease of on-screen menus.

On-screen menus pop up on demand and make it simple to select a server. Give each server a name that makes sense to you. No software is required on your servers; their names are stored in the switch's memory.

Plus, you can use the on-screen menus to control who can access each server. Set a user's level of access to exclusive use, shared use, or video only.

Select servers at your fingertips, too.

You can also switch between servers via a three-button mouse, an IntelliMouse®, hotkey sequences, or the front-panel push buttons.

More compatibility than the basic Duo.

Like the basic ServSwitch Duo, the ServSwitch Duo USB supports a wide range of PC-compatible hardware and software platforms, including some high-end IBM® PS/2® compatible computers such as IBM RS/6000®, Compaq®, Alpha®, and SGI™.

However, the ServSwitch Duo USB also works with USB keyboards and mice. Plus automatic mouse conversion means they work with all PS/2, IntelliMouse, and RS-232 mice. You can even mix both styles in one installation!

For connecting remotely to your server room over IP, add the ServSwitch Wizard™ IP (ACR2004A) to control PC, Sun®, and Mac® servers.

Scan servers at your own pace.

Monitor all connected servers with Autoscan. You can also scan only active servers attached to one chassis or selected servers attached to any chassis in your system. Program your preferred scan rate and view each server at your own pace.

Buying Tips

NOTE: To connect Macintosh® CPUs, call our FREE Tech Support.

These products work with:

- CPU Cables for Standard KVM Connections (EHN408)
- Control Station Cables (EHN409)
- PS/2 to USB Flash Cables (EHN428)
- ServSwitch Wizard IP (ACR2004A)
- ServSwitch Uno (KV6016FA-R2)
- ServSwitch Duo (KV6104SA-R2, KV6108SA-R2, KV6112FA-R2, KV6116FA-R2)

Questions? Contact our FREE Tech Support.

KV6608SA: top: front view; bottom: rear view

KV6616FA: top: front view; bottom: rear view

Technically Speaking

Multi-User ServSwitch products vs. multipoint access ServSwitch products.

A multi-user ServSwitch, such as the Matrix ServSwitch, enables two or more users to access different servers at the same time. So, for instance, one user can access "Server A" while another user accesses "Server B." This is considered a "true two-channel" architecture because two users have independent access to CPUs. It should be pointed out that multiple users cannot access the same server at the same time.

A multipoint access ServSwitch, such as the ServSwitch Duo, provides two access points for control stations but requires that both users view the same server at the same time. So, if one user is accessing "Server A" on his screen, the other user is also seeing "Server A" on his screen. If the second user switches to "Server B," the first user will also switch to "Server B." Only one of these users is actually in control. The user in control stays in control until his workstation is inactive for a period of time (selectable). Then the other station can take control.

A multipoint access ServSwitch is useful when simultaneous, independent access is not required—just the ability to access CPUs from more than one place.

Technically Speaking

On-screen menus.

When the ServSwitch™ brand of KVM switches was first introduced, there were only two ways to switch: from front-panel push buttons or by sending command sequences from the keyboard. While this was more convenient than having a separate keyboard, monitor, and mouse for each CPU, the operator still had to remember key combinations and which server was connected to which port—leading to many cryptic, scribbled notes attached to the switch and to the workstation.

But with the advent of on-screen menus, an operator can use easy-to-read, pop-up menus to identify and select CPUs. It's even possible to give each CPU a name that makes sense to you—names like "MIS Server," "Accounting Server," and so on.

TECH SPECS

Controls — On-screen menus;
Keyboard commands;
Mouse-click functions: (2) push buttons for user and server selection;
(1) DIP switch for firmware upgrade
Distance (Maximum) — User ports to any directly attached user station or KVM switch: 16.4 ft. (5 m);
Server ports to any directly attached CPU or KVM switch: 35 ft. (10.6 m) using EHN428–EHN429
Video — Resolution (maximum): 1920 x 1440 at 100 Hz;
DDC support: 1 and 2
CE Approval — Yes
Interface — Keyboard and mouse: USB only;
Serial: Subset of TIA-574 (IBM PC DB9) pinout of TIA/EIA RS-232; USB and Sun with appropriate converter cables
Connectors — Power: (1) barrel jack;
Serial: All: (1) DB9 F serial port for flash upgrade;
User ports: (2), each consisting of: (1) HD15 F for monitor, (2) USB Type A F for keyboard and mouse;
Server: (8) or (16), each consisting of: (1) HD15 F for video-port attachment, (2) 6-pin mini DIN F for keyboard and mouse
Power — External 100–240 VAC, 50–60 Hz, autosensing
Size — KV6608SA: 1.75"H (1U) x 17.3"W x 8.7"D (4.4 x 43.9 x 22.1 cm);
KV6616FA: 3.5"H (2U) x 17.3"W x 8.7"D (8.9 x 43.9 x 22.1 cm)

Item	Code
ServSwitch Duo USB KVM Switch	
2 x 8	**KV6608SA**
2 x 16	**KV6616FA**
For redundant power, order…	
ServSwitch 5-V Power Supply	**PS649-R2**
To connect a PC server to your ServSwitch Duo USB, order…	
Standard KVM Computer Cables	
5-ft. (1.5-m)	**EHN408-0005**
10-ft. (3.0-m)	**EHN408-0010**
20-ft. (6.0-m)	**EHN408-0020**
30-ft. (9.1-m)	**EHN408-0030**
50-ft. (15.2-m)	**EHN408-0050**
To connect a USB or Sun server to your ServSwitch Duo USB, order…	
Flash Computer Cables	
PS/2 to USB	
6-ft. (1.8-m)	**EHN428-0006**
16-ft. (4.8-m)	**EHN428-0016**
32.8-ft. (10.0-m)	**EHN428-010M**
PS/2 to Sun	
6-ft. (1.8-m)	**EHN429-0006**
16-ft. (4.8-m)	**EHN429-0016**
32.8-ft. (10.0-m)	**EHN429-010M**